

What is Claimed is:

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1. A data input apparatus comprising:  
image acquiring means for acquiring an image of data displayed on a data display section of a measuring instrument;  
number reading means for reading numbers in said acquired image; and  
displaying means for displaying the read numbers.
  2. The data input apparatus according to claim 1,  
wherein said image acquiring means also acquires an image of a portion other than the data display section of said measuring instrument at the same time and  
image recognizing means reads information other than said numbers about said measuring instrument from the acquired image.
  3. The data input apparatus according to claim 2, wherein the information on the measuring instrument read by said image recognizing means is used when said number reading means reads numbers.
  4. The data input apparatus according to claim 1, wherein said image acquiring means comprising:  
imaging means for picking up an image; and  
image inputting means for cutting a still image from motion data captured by the imaging means.

5. The data input apparatus according to claim 1 or claim 2, further comprising:

image extracting means for extracting an image in a specific area in the image acquired by said image acquiring means,

wherein said number reading means or said image recognizing means reads numbers or recognizes images for the image in the specific area extracted by said image extracting means.

6. The data input apparatus according to claim 1, wherein said number reading means reads numbers displayed in analog form.

7. The data input apparatus according to claim 2, wherein the information about the measuring instrument read by said image recognizing means is units of measured values displayed, manufacturer's name of the measuring instrument, shape of the measuring instrument, color of the measuring instrument or barcode corresponding to the type of the measuring instrument.

8. The data input apparatus according to claim 2 or claim 7, wherein said image recognizing means holds information on various measuring instruments as database and performs image recognition using also the database.

9. The data input apparatus according to one of claim 1 to claim 8, wherein said measuring instrument is a measuring

instrument to detect various physiological conditions of human body and used as an electronic health monitor apparatus.

10. The data input apparatus according to claim 1 or claim 2, wherein said number reading means and/or said image recognizing means are provided on another apparatus connected through a communication channel.

11. A data input system comprising:

the data input apparatus according to claim 4;

a TV telephone apparatus to communicate images with a third party at a remote place; and

a switching apparatus for switching the output destination of said imaging apparatus,

wherein by the user switching the output destination of said imaging apparatus through said switching apparatus according to the purpose of use,

said imaging apparatus can be used as an input apparatus common to said data collection apparatus and said TV telephone apparatus.

12. A data input system comprising:

the data input apparatus according to claim 4, which is a measuring instrument to detect various physiological conditions of human body;

an affected area image data collection apparatus for collecting image data of an affected area; and

a switching apparatus for switching the output destination of said imaging apparatus,

wherein by switching the output destination of said imaging apparatus through said switching apparatus according to the user's purpose of use, said imaging apparatus is used as an input apparatus common to said data input apparatus and said affected area image data collection apparatus.

13. A data input system comprising:

the data input apparatus according to claim 4, which is a measuring instrument to detect various physiological conditions of human body;

a TV telephone apparatus to communicate images with a third party at a remote place;

an affected area image data collection apparatus for collecting image data of an affected area; and

a switching apparatus for switching the output destination of said imaging apparatus,

wherein by switching the output destination of said imaging apparatus through said switching apparatus according to the user's purpose of use, said imaging apparatus is used as an input apparatus common to said data input apparatus, said TV telephone apparatus and said affected area image data collection apparatus.

14. A display data analysis apparatus that analyzes measured data measured and displayed by a predetermined measuring apparatus and outputs the analysis result to a predetermined processing apparatus, comprising:

imaging means for picking up an image;

detecting means for detecting the measured data displayed by said measuring apparatus in the image picked up by said imaging means using detection auxiliary information to detect the measured data displayed by said measuring apparatus;

analyzing means for analyzing the measured data in the image picked up by said imaging means using analysis auxiliary information to analyze the measured data displayed by said measuring apparatus in the case where said measured data is detected by said detecting means; and

outputting means for outputting the analysis result analyzed by said analyzing means.

15. The display data analysis apparatus according to claim 14, wherein said detection auxiliary information and/or said analysis auxiliary information includes indices attached to said measuring apparatus and database concerning the indices.

16. The display data analysis apparatus according to claim 15, wherein said indices are attached to the outer circumference of the display section of the measured data of said measuring apparatus.

17. The display data analysis apparatus according to claim 15, wherein said indices are of L-type or rotated L-type.

18. The display data analysis apparatus according to claim 15, wherein said indices have a plurality of colors or a plurality of concentrations in the case of monochrome.

19. The display data analysis apparatus according to claim 14, wherein said detection auxiliary information includes color/reflectivity information on colors and/or reflectivity of the display section of the measured data of said measuring apparatus and database concerning the colors/reflectivity information.

20. The display data analysis apparatus according to claim 14, wherein said detection auxiliary information includes shape/color arrangement information on the shape and/or color arrangement situation of said measuring apparatus and database concerning the shape/color arrangement information.

21. The display data analysis apparatus according to claim 14, wherein storage means that stores said analysis auxiliary information is provided.

22. The display data analysis apparatus according to claim 14, wherein said measuring apparatus is a vital sensor that measures living body information, said measured data is display data of the vital sensor and said processing apparatus is a vital sign box.

23. A medium that stores a program and/or data to execute all or some of the functions of all or some of the means of the present invention according to one of claims 1 to 22 and can be processed by a computer.

24. A collection of information that is a program and/or data to make a computer execute all or some of functions of all or some of means of the present invention according to one of claims 1 to 22.

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